



NOTICE OF COUNCIL ELECTIONS, 1956/57

NOMINATIONS

- (a) In accordance with Article 43, nominations are invited to fill nine vacancies for elected members to serve on Council for 1956/57 (i.e. eight Members and one Associate Member).
- (b) Before candidates are nominated for election, their consent must be obtained.
- (c) Candidates for election must be nominated in writing by three *corporate members of the Institution.
- (d) In addition to nominations as in (c) each Section Committee may nominate one candidate.
- (e) Nominations must reach the Secretary at 10, Chesterfield Street, London, W.1, not later than Tuesday, May 1st, 1956.
- (f) The members listed below are due to retire and are not eligible for re-election as elected members until at least one year has elapsed.

Members :-

R. S. Brown
R. M. Buckle
Wm. Core

B. H. Dyson
E. P. Edwards
B. G. L. Jackman

R. Kirchner
Dr. T. U. Matthew.

Associate Member :-

R. S. Clark

By Order of Council

W. F. S. WOODFORD,

*Corporate members are :-

Hon. Members, Members, Associate Members.

Secretary,
April, 1956.

EXHIBITION OF SCIENTIFIC INSTRUMENTS AND APPARATUS

The Exhibition of Scientific Instruments and Apparatus, arranged annually by The Physical Society, will take place this year from 14th/17th May, at the Old and New Halls, Royal Horticultural Society, Westminster. The opening ceremony will be performed by Sir John Cockcroft, Head of the Atomic Energy Research Establishment, Harwell.

The Exhibition is considered unique of its kind, in that it aims at bringing information of new instruments both in production and still under development to the notice of research physicists in all branches of their work. Full particulars may be obtained from the Exhibition Secretary at 1, Lowther Gardens, Prince Consort Road, London, S.W.7.

WORK STUDY TRAINING

A ten-week Work Study Course, commencing on 23rd April, 1956, has been arranged by the Leicester College of Technology and Commerce. The special feature of this Course is the very high proportion of practical work carried out, to a great extent in local factories. Special regard is also paid to non-repetitive work such as jobbing, maintenance and process industries.

The fee for the course is £100, and the cost of accommodation, which can be arranged, is approximately £110 for the ten-week period. Full particulars may be obtained on application to The School of Commerce, College of Technology and Commerce, Leicester.

CONFERENCE OF STANDARDS ENGINEERS

The Second Annual Conference of engineers with special responsibilities for Standards matters is being arranged by the British Standards Institution, in co-operation with the Institution of Production Engineers. It will take place in the Council Room of the British Standards Institution on Thursday, 24th May, 1956, commencing at 10.30 a.m. and the principal speaker will be Professor H. W. Martin, of Rensselaer Polytechnic Institution, New York.

Full particulars of the programme will be announced later. Those who wish to attend the Conference should make early application to Dr. E. L. Diamond, British Standards Institution, British Standards House, 2 Park Street, London, W.1. A registration fee of 10/6 (which includes a buffet luncheon) will be charged to those attending the Conference.

PRODUCTION EXHIBITION:-

Group Visits from Technical Training Establishments

The organisers of the Production Exhibition have drawn the attention of technical training establishments in the United Kingdom and Northern Ireland to the educational value of the Exhibition and the special facilities offered for visits by staff and student groups.

Any establishments not yet aware of facilities for group visits are required to write for particulars to: Andry Montgomery, Ltd., 32 Millbank, London, S.W.1, or telephone TATe Gallery 8134.

Firms operating apprentice or graduate training units are also invited to apply for concession tickets. Similar concession rates are open for organised parties of factory workers.

The Exhibition demonstrates productivity in British industry, its importance in ensuring the country's economic development, and the progress of modern trends of research, and is in no sense a "Trade Show". It affords an unique opportunity of obtaining an overall view of the progress of science, research and techniques in the evolution of British industry in a multitude of fields. As such, it offers considerable educational value and scope to staff and students from technical and industrial training establishments.

EDUCATION

for

AUTOMATION

Seventh Annual Summer School

ASHORNE HILL
Leamington Spa

**Wed. - Sun
25th - 29th
July, 1956**

The Institution has again been fortunate in securing Ashorne Hill for its 1956 Summer School. This is an ideal conference centre with a wide range of amenities and excellent accommodation—comfortable single rooms, lounges, a bar, recreational facilities and extensive grounds.

Ashorne Hill is about four miles from both Warwick and Leamington and easily reached from Birmingham, Wolverhampton, Rugby, Oxford and Coventry.

It is intended to develop the theme by envisaging future activities in industry, particularly in higher management for Production Engineering, so as to bring out future requirements in ability and technical knowledge, and thus giving educationists and students a guide as to subjects and depth of content needed.

AN APPLICATION FORM appears overleaf



SEVENTH ANNUAL SUMMER SCHOOL 1956

Theme : "Education for Automation"

THE PROGRAMME

Wednesday, 25th July—p.m. School assemblies. Opening address.

Thursday, 26th July. The opening lecture "Automation—its Meaning and Implications" will be given by Mr. J. A. Sargrove, M.I.Prod.E., who will survey the subject from the industrial point of view with particular emphasis on automation at work. Mr. Sargrove was one of the principal speakers at the Margate Conference on "The Automatic Factory" in 1955.

Friday, 27th July. The second lecture "Technical Education and Automation" will be given by Dr. W. A. Chapman, Principal of the Hatfield Technical College, where a first course of studies for automation has been started. It will show how Technical Colleges intend to provide for specialist studies in automatic methods and the problems likely to arise.

Saturday, 28th July. The third and final lecture entitled "Automation—Its Impact on Society" will be given by Mr. T. Burns of the School of Social Science Studies, Edinburgh University. This lecture will show how human relations problems will arise, how leisure and occupations will be affected, and present for examination some possible ways of meeting these problems.

Sir Francis Simon, it is expected, will be giving an evening address. Other eminent men in Education and Industry will also contribute. Arrangements will be made for an evening visit to the Shakespeare Memorial Theatre, Stratford. After each morning lecture the rest of the day will be spent in discussion group activities, the School being divided into two Sections ; those concerned with Industrial Application and those concerned with Education and Training. Each day session will close with a general forum.

There will also be sessions when members of the School will be able to address questions of general interest and particular problems which confront them in their daily work and future careers.

Fees

The inclusive fee which will cover accommodation, meals, gratuities and School course is :

Members of the Institution £9 9s. 0d. Non-Members £12 12s. 0d.

For those who wish to travel daily and who will not require sleeping accommodation or breakfast the fee is :

Members of the Institution £5 5s. 0d. Non-Members £6 6s. 0d.

(Theatre ticket is an optional extra).

Detailed joining instructions and a copy of the final programme will be sent to all those attending. —

EM91/56

PRODUCTION ENGINEERING SUMMER SCHOOL 1956

APPLICATION FORM

1. I wish to attend the 1956 Production Engineering Summer School from p.m. Wednesday, 25th July, to a.m. Sunday, 29th July, and I enclose remittance (payable to the Institution of Production Engineers)
for *£9 9s. 0d./*£12 12s. 0d. for full residential attendance.
for *£5 5s. 0d./*£6 6s. 0d. for daily attendance.
2. I wish to attend the session of *The Education and Training Section/*The Industrial Application Section.
3. I *shall/shall not require garage accommodation.
4. I *do/do not wish to visit the Stratford Memorial Theatre.

NAME (Block Letters)..... Membership Grade (if any).....

ADDRESS

PRESENT APPOINTMENT

ORGANISATION

(*Delete where inapplicable).

SIGNED

TO: THE INSTITUTION OF PRODUCTION ENGINEERS,
10, CHESTERFIELD STREET, LONDON, W.1.

Halifax C
Plummet
Graduate
Section.

Halifax C
Works vi
Laird L

Birmingham
The Jam
Birmingham
Graduate

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Works vi

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North E
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assembly

Peterboro
The White
Peterboro
" The Me

Dundee
The New
" Educat
Badger, M
Engineers.

Oxford
The Town
" The Hu
by Mr. W

REGIONAL MEETINGS

MIDLANDS REGION

Queens Hotel, Birmingham.
Regional Dinner.

7.15 p.m. for 7.45 p.m. April 13th

SOUTH EASTERN REGION

The Royal Empire Society, Northumberland Avenue (Craven Street entrance).
Strand, London, W.C.2.

7.00 p.m. April 19th

"Radio Active Materials in Industry" by Dr. A. D. Merriman, G.C., O.B.E.

NORTH WESTERN REGION

The Great Hall, Manchester College of Technology, Sackville Street, Manchester.
"The Factory Acts and How They Affect Engineering Establishments" by
Sir George Barnett (The Factory Dept., Ministry of Labour & National Service).

6.30 p.m. April 23rd

SECTION MEETINGS

Visitors Tickets may be obtained from Section Honorary Secretaries.

APRIL, 1956

EAST & WEST RIDINGS REGION

Halifax Graduate 7.30 p.m. April 18th
Plummet Line Hotel, Bull Close Lane, off Bull Green, Halifax.
Graduate Papers given by members of the Halifax Graduate
Section.

Halifax Graduate 10.00 a.m. April 21st
Works visit to the Birkenhead Shipyard of Messrs. Cammell
Laird Ltd.

MIDLANDS REGION

Birmingham Graduate 7.00 p.m. April 18th
The James Watt Memorial Institute, Great Charles Street,
Birmingham.

Graduate Papers Evening—Senior Chairman's Annual Prize, 1956.
Wolverhampton Senior & Graduate 7.15 p.m. April 25th
The Wolverhampton & Staffs. Technical College, Wolverhampton.
"Work Study and the Production Engineer." by Mr. J. V.
Connolly, B.E., M.I.Prod.E., F.R.Ae.S.

Wolverhampton Graduate 9.00 a.m. April 14th
Works visit to Hobsons Ltd., Fordhouses.

NORTHERN REGION

North Eastern 6.00 p.m. April 19th
Reyrolle & Co. Ltd., Newtown Works, Hebburn-on-Tyne.
A.G.M. (members only) followed by visit to machine and
assembly departments.

North Eastern Graduate 6.00 p.m. April 19th
Reyrolle & Co. Ltd., Newtown Works, Hebburn-on-Tyne.
A.G.M. (members only) followed by visit to machine and
assembly departments.

NORTH MIDLANDS REGION

Peterborough 7.30 p.m. April 11th
The White Lion Hotel, Church Street (opposite Corn Exchange).
Peterborough.

"The Metallurgist in Production Engineering" by Mr. E. Bevan.

SCOTTISH REGION

Dundee 7.30 p.m. April 4th
The New Imperial Hotel, 15, Tally Street, Dundee.
"Education for the Production Engineer" by Mr. H. Wyndham
Badger, M.A., Education Officer for the Institution of Production
Engineers.

SOUTHERN REGION

Oxford 7.15 p.m. April 10th
The Town Hall, Oxford.
"The Human Aspects of the Advent of the Automatic Factory"
by Mr. W. J. Carron.

SOUTH EASTERN REGION

London Graduate 7.00 p.m. April 10th
The Institution of Production Engineers, 10, Chesterfield Street,
London, W.1.

Annual General Meeting followed by Film Show:—"Planned
for the Purpose" and "Drop Forgings in Alloy Steels."
(A.G.M. members only).

London Graduate 7.15 p.m. April 24th
The Institution of Production Engineers, 10, Chesterfield Street,
London, W.1.

"The Finishing of Work by Polishing and Plating" by Mr.
H. Cann.

Luton April 12th
Annual General Meeting (members only).

Luton Graduate 7.45 p.m. April 19th
The Lecture Hall, Central Library, George Street, Luton.
"Industrial Health & Safety as Factors in Production" by
Mr. C. J. Hewlett, District Inspector of Factories.

Luton Graduate April 28th
Works visit to the Railway Repair Depot, Neasden.

Rochester 7.30 p.m. April 12th
The Assembly Room, Sun Hotel, Chatham.
Annual General Meeting followed by a series of interesting films.
(A.G.M. members only).

South Essex 7.30 p.m. April 18th
The Ilford Club, 21A, Balfour Road, Ilford.
"Production Methods in the Furniture Industry" by Mr. E. F.
Powell.

SOUTH WESTERN REGION

Western Graduate 7.30 p.m. April 11th
The Grand Hotel, Bristol.
"The Production of Light Alloy Castings" by Mr. J. R.
Hayward and Mr. I. J. Birch.

WELSH REGION

West Wales 7.30 p.m. April 13th
The Central Library, Alexandra Road, Swansea.
"Human Relationship and Production" by Mr. R. D. Young.

MAY 1st - 7th

NORTH WESTERN REGION

North Western Region May 6th
Regional Golf Competition to be held at Shaw Hill Golf Club,
Chorley.

PRODUCTION APPOINTMENTS

BULLETIN No. 31

APRIL 1956

The last date for receiving material for insertion in the following month's bulletin is the 20th of each month. The fee for insertion of particulars regarding each appointment is £3 3s. (up to 100 words), and over 100 words £5 5s. A standard charge of £1 1s. per insertion is made to firms affiliated to the Institution, Technical Colleges, Universities and similar organisations.

Advertisers are advised that better response is likely if, in addition to essential qualifications, the following information is given:—

(a) Location of appointment; (b) Status in the organisation and scope of promotion; (c) Salary range and age range. Advertisers are asked to advise the Institution when appointments are filled. The Institution reserves the right to refuse or withdraw any announcement and also to make any alteration in the wording to ensure conformity with the Institution standards. Members interested in the following appointments should make application in accordance with the terms of notice. No correspondence can be undertaken by the Secretary other than the forwarding of replies to Box Nos.

All advertisements appearing in this Bulletin are subject to the Notification of Vacancies Order of 1952.

Toolroom Manager required to take complete charge of large toolroom and plant overhaul department. The Company, concerned has a very large output of the light and medium engineering type product and the tooling provisioning is one of major importance. A long background of management in the activities mentioned is required, with the experience of planned toolmaking and tool maintenance of all types. Must be able to deal diplomatically but firmly with all matters arising from the employment of skilled personnel on an incentive basis. Send details of experience, age and salary to General Manager, Box No. 1318, I.Prod.E., 10 Chesterfield Street, London, W.1.

Work Study Engineers. Imperial Chemical Industries Limited, Plastics Division, have vacancies for two Work Study Engineers with at least three years experience on work study as applied to process and maintenance. These are senior appointments carrying a good salary and requiring men of ability who are prepared to do some travelling. Apply in writing giving details of age, qualifications, experience and present salary to the Staff Manager, I.C.I. Ltd., Plastics Division, Black Fan Road, Welwyn Garden City, Hertfordshire.

Production Controller required by Machine Tool manufacturers in the North of England. The post will involve responsibility for co-ordinating all the production control functions within the Works, and the person appointed would be responsible directly to the Works' Director. Knowledge of up-to-date production control methods essential, particularly as applied to batch production, together with practical experience in progress, stock control, material and works' order procedures. Applicant must have good personality, drive and enthusiasm and a strong sense of loyalty and ability to organize and lead his team. Applicant should preferably not be over 45 years of age. This is a senior appointment and successful candidate will be remunerated accordingly, and in addition will participate in the Company's staff pension scheme. Please apply to Box No. 1322, I.Prod.E., 10 Chesterfield Street, London, W.1.

Design and Development Engineers. The British Tabulating Machine Co. Ltd., Letchworth, Herts., manufacturers of "Hollerith" punched card accounting machines has several vacancies for Design and Development Engineers to work on the development and design of high speed electro-mechanical accounting machinery. A four figure salary is envisaged for men who are technically qualified and possess previous shop and design experience of the right kind. Write in the first instance to the Personnel Superintendent (Ref: PE/628).

Chief Production Engineer. Applications are invited for this senior appointment by a well-known engineering Company with 2,500 employees in the Midlands manufacturing aero engines and vehicles. Applicants (age 35-45) must have served an engineering apprenticeship and have considerable experience in production engineering. Remuneration will be commensurate with the responsibilities involved, and there are opportunities for advancement. Pension scheme in operation. Applications in fullest detail, giving particulars of age, education and industrial experience to Box No. 1335, I.Prod.E., 10 Chesterfield Street, London, W.1.

Methods Engineer, conversant with manufacture and assembly of machine tool parts, required to introduce and time study assembly methods and to establish bonus times. Good prospects in old established and expanding organisation in S.W. Essex area. Write details of career and salaries earned to Box No. 1336, I.Prod.E., 10 Chesterfield Street, London, W.1.

Assistant Chief Ratefixer. Applications are invited for the position of Assistant Chief Ratefixer which is an executive appointment covering all types of airframe manufacture. A good experience of ratefixing is necessary and it is highly desirable that candidates have some knowledge of pre-production systems and procedures. Candidates must also be thoroughly experienced in all aspects of sheet metal work, fitting and final assembly, and require a knowledge of power presses and routing machines. Pension scheme, assistance with housing and removal expenses. Apply in writing giving full details of previous experience, technical qualifications, etc., to the Personnel Manager, Short Brothers and Harland Limited, Queen's Island, Belfast, quoting reference P.32.

Work Study Engineer. A Senior Work Study Engineer is required to take charge of a small department in Genatosan Limited, Loughborough, a member of the Fison Group. Applicants must have technical background of engineering or chemistry and have had several years work study experience. The job embraces all aspects of work study including incentive systems. A four-figure salary is envisaged and there is also a Super-annuation Scheme. Applications stating age, education and experience should be addressed to The Personnel Officer, Genatosan Limited, Derby Road, Loughborough. Please quote ref: W/S.

First-class Machine Tool Designers and Draughtsmen urgently required in connection with production of unit heads (preferably with experience in automation). Apply: Brooke Tool Manufacturing Co. Ltd., Aldridge Road, Perry Barr, Birmingham 22B. Telephone: Birchfields 4259.

Technical Representative required by Lubrication engineers to cover London and Home Counties. Qualifications: practical and drawing office experience, H.N.C. or O.N.C. 23-28 years of age. Remuneration: salary plus expenses. Car provided. Write in first instance to: Lumatic Limited, 84 High Street, Epsom, Surrey.

Planning and Estimating Engineers. Required for work in connection with specialised equipment for the heavy vehicle and motor car industry. The Company is medium sized and is in the process of re-organisation and expansion. Applicants are required for the inception of a Planning and Methods Department to initiate and implement new methods of production for variety of products. To investigate the economics of new production by cost analysis in machining, assembly, tooling and material factors. Experience required in process planning, method study, factory layout and jig and tool design for quantity production, with a thorough knowledge of modern machine tool employed in flow and batch production. Qualifications: Higher National Certificate or equivalent, and an engineering apprentice-

ship is preferred. Applicants should be under 45 years of age. These are staff positions with generous salaries and a non-contributory superannuation scheme is in operation. Applicants should submit full details of career and salaries to: Clayton Dewandre Co. Ltd., Titanic Works, Lincoln, quoting reference ME/LRM.

Jig and Tool Design Draughtsmen required for work in connection with specialised equipment for the heavy vehicle and motor car industry. The Company is medium sized and is in the process of re-organisation and expansion. Applicants are required to enlarge and bring new ideas into an existing jig and tool department, whose work is increasing due to the demands of new methods. Several years of experience in jig and tool design, using the latest developments employed in tooling for flow production. A knowledge of modern machine tool design, transfer machines and process planning would be an advantage. Automotive background of this experience would be preferred. Qualifications: Technical training and an engineers' apprenticeship is preferred. Applicants should be under 45 years of age. These are staff positions with generous salaries, and a non-contributory superannuation scheme is in operation. Applicants should submit full details of career and salaries to: Clayton Dewandre Company Limited, Titanic Works, Lincoln, quoting reference ME/LRM.

Planning Engineer is required by a manufacturing Company in the Acton, London, area producing a variety of machined components for internal combustion engines. Duties will be those of an engineering assistant in the Purchasing Department. Experience in toolmaking, special purpose machines and drawing office is required, also sub-contracting with outside suppliers. Applicants who should be 25-35 years should send details of age, previous experience, nationality at birth and salary envisaged to Box No. 1337, I.Prod.E., 10 Chesterfield Street, London, W.1.

Draughtsman aged 24 to 34 years required to develop special purpose machine tools exploiting hydraulic power and electrical mechanism to the full. Apply in confidence and in writing giving full details of experience and qualifications, etc., to the Personnel Manager, Arnfield Works, Martin Street, Audenshaw.

Work Study. Two Methods Engineers and one Time Study Engineer required. Trained men preferred but consideration given to suitable men as trainees. Five-day week, pension scheme and all welfare facilities. Apply in writing to: Personnel Manager, The Telegraph Construction & Maintenance Co. Ltd., Telcon Works, Greenwich, S.E.10.

Production Engineer required for well-known, modern, fully equipped, medium engineering Works. Must have sound practical experience and technical education and be familiar with batch and jobbing production methods, capable of taking control of existing engineering departments. West of Scotland location. This is a senior appointment and commencing salary will be £1,300 per annum. Only fully experienced men who have held similar appointments over extended period will be considered. Box No. 1340, I.Prod.E., 10 Chesterfield Street, London, W.1.

Time and Motion Study Engineer required for the Coventry branch of a large Birmingham Engineering Company, preferably with experience of mass production of motor car body assembly work, paint trim and finish for modern assembly plant. Apply: Personnel Manager, Box No. 1341, I.Prod.E., 10 Chesterfield Street, London, W.1.

Young men. Cincinnati Milling Machines Limited, invite young men of high ability and mature personality, aged 25 to 30 years, who have had a sound engineering training, who possess good technical qualifications and who now wish to specialise in the machine tool industry, to write for details of a scheme of training, whereby they may obtain the extra experience necessary before accepting a responsible post in the organisation. Initial enquiries, which need not contain details of experience, etc., should be made in writing to Woodlands Farm Road, Tyburn, Birmingham. 24.

Senior Factory Layout and Materials Handling Engineer required for a large precision engineering organisation in Hertfordshire. Experience of modern practice in this field is essential. Age

30-40 years. Write, giving full details of experience and education to: Box A.C.17344, Samson Clarks, 57-61 Mortimer Street, W.1.

Tool Engineer is required by large precision engineering organisation in Hertfordshire. Responsibilities include control of jig and tool buying, tool stores and tool utilisation departments. Experience essential. Write, giving full details of experience and education to: Box A.C.17340, Samson Clarks, 57-61 Mortimer Street, W.1.

Assistant General Works Manager required by large aircraft company in the North of England. Experience at Works Manager's level on aircraft and engine production desirable. Write, stating age, present salary and experience to: Box 11,825, c/o 191, Gresham House, E.C.2.

Engineers under 30 years of age with G.I.Mech.E., or Grad.I.Prod.E., or equivalent qualification required in the London Office of British-American Tobacco Company, Limited. Successful applicants would have to undertake some travel in the United Kingdom and might even have to make occasional trips overseas to visit manufacturers and associated companies. Applicants should have had experience of conducting technical correspondence. The posts are permanent and pensionable and the Company has a staff restaurant. Apply in writing, giving full details of education and career, to: Personnel Department, British-American Tobacco Company, Limited, Westminster House, 7 Millbank, S.W.1.

Chief Design Engineer required by progressive firm in East of Scotland. Outstanding design achievement in one field combined with sound analytical judgment and administrative ability is essential. Products are specialised factory machines including machine tools and textile machines. Salary in region of £3,500 per annum dependent on qualifications and results. Please address your reply to the Managing Director, and mark your envelope "Personal" to Box No. 1342, I.Prod.E., 10 Chesterfield Street, London, W.1.

H.M. Inspectors of Factories (Class II). Ministry of Labour and National Service: The Civil Service Commissioners invite applications from men and women for pensionable posts. Age at least 21 and (unless exceptionally well qualified) under 30 on 1st June in the year of application with extension for regular service in H.M. Forces. London salary (including extra duty allowance where payable) £506 (at age 21), then according to age up to £669 at 26 or over, rising to £917. Somewhat lower outside London. A special increment of £25, within the scale, is granted after passing probation. Higher posts filled by promotion from Class II. Duties include the enforcement of the provisions of the Factories Acts and Regulations affecting the safety, health and welfare of workpeople and extend to all manufacturing industries and to certain other places, including Docks, Works of Engineering Construction and Building Operations. Candidates must normally be university graduates, preferably in Engineering or Natural Science (or comparable technical qualification, e.g., A.M.I.Mech.E.) Graduates in other subjects, including arts, are eligible. Works or other practical experience an advantage. Candidates without degrees (or comparable technical qualifications) who have good general or technical qualifications, and have had considerable works or other practical experience (especially in responsible positions) will also be considered. Application may be made at any time, and so long as there are vacancies suitable candidates will be interviewed. Particulars from Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting No. 280.

Technical Salesmen. A machine tool selling organisation representing the leading British manufacturers invites applications from Technical Salesmen for Australia. Practical machine tool experience essential. Attractive salary, commission, superannuation and long service leave. Apply in writing stating age and experience: Managing Director, Dean, Smith & Grace Limited, Box 15, Keighley. All applications will be treated in strictest confidence.

Work Study—The British Productivity Council, 21 Tothill Street, London, W.1, invites applications from persons having sound practical experience in the application of Work Study, coupled

with the ability to express themselves clearly both in the written and spoken word. Applicants should have attained a high standard of general education followed by further training, with an engineering bias, before entering the field of Work Study. A knowledge of the theory, and practice, of Method Study in its broadest aspect is essential.

General Works Manager with prospects of directorship and further advancement, required by medium sized Scottish textile firm in which this post has been newly created by re-organisation. Technical training and managerial experience in modern industry is sought, preferably in textiles. Age should not exceed 50. The remuneration will consist of a generous salary and a share of profits. Apply with details of training, experience and salary desired to: Messrs. Production Engineering Limited, 140 West George Street, Glasgow, C.2, quoting reference WDH.

Production Controller. Production engineer to train as Production Controller required by an expanding company at Crawley, a varied range of engineering products is manufactured. Preference will be given to applicant 30/35 years of age, of good general and technical education, with experience in process planning for batch production. Excellent prospects for an applicant of right calibre. Assistance with housing and after probationary period eligible for entry to pension scheme. Write full particulars to: Box No. 1343, I.Prod.E., 10 Chesterfield Street, London, W.1.

Production Engineer required by firm of Management Consultants who are expanding. Age 28 to 40 with good shop experience and training in work study, jig and tool design, layouts for batch and line production, production control and material control. Some knowledge of statistical analysis an advantage. Salary £1,500 or more according to qualifications and experience. Box No. 1344, I.Prod.E., 10 Chesterfield Street, London, W.1.

Senior Sales Engineer. Machine Tool Sales. This Company having the exclusive agency for important machine tool manufacturers, and having recently commenced manufacture of gear grinding machines, and fine borers, has a vacancy for a Senior Sales Engineer for London and the South. Essential qualifications are:—Intimate knowledge of machine tool use. Several years experience in selling machine tools. Established connection in London territory. Age no consequence. Salary, commission and car. Pension Scheme. Full details in chronological order to: The Managing Director, Stuart Davis Limited, Much Park Street, Coventry.

Works Manager required by old-established firm of rubber manufacturers in London area. The man we would like to hear from will:—(a) be 35/45 years of age and be capable of taking responsibility for administration, organisation of production, reduction of costs, and labour relations; (b) have managerial experience in, and a sound technical knowledge of, general rubber manufacture; (c) have used work study, standard costing and production planning and control. Good salary and prospects for the right man. Apply, giving full details of education, training, experience, previous salaries, and personal data. The proposed appointment is known to our executives. Apply: Box No. 1345, I.Prod.E., 10 Chesterfield Street, London, W.1.

Production Methods Engineer is required by Company located in West Riding engaged in the manufacture of light electro-mechanical assemblies and components. Applicant must be between the ages of 28 and 40 and be completely familiar with the application of factory methods and practice, and capable of improving existing methods, coupled with the installation of related time standards, bonus rates and a practical experience of time and motion study. Experience of press tooling and presswork would be an advantage. The main requirements of the post place a heavy accent on production engineering development and are not concerned with routine planning. Only men with outstanding drive and initiative, with actual production experience need apply. This position will be of section leader status and needs ability to control staff. Qualifications to Higher National Mechanical or Production Engineering or equivalent. Corporate membership of a recognised professional body preferable. Indenture apprenticeship desirable but broad engineering experience on light to medium component production essential. Assistance with housing can be offered. This is a permanent

position with positive scope. Pension scheme. Apply giving details of career to date with present salary to: Box No. 1346, I.Prod.E., 10 Chesterfield Street, London, W.1.

Methods Development Engineers required for improving assembly and machine shop practice in precision light engineering works situated N.W. London area. Applicants must have experience in all branches of Work Study, particularly in relation to batch and mass production methods and be prepared to introduce, demonstrate and follow through new manufacturing techniques. The age desired is not more than 35 years and technical qualification required is the Ordinary National Certificate as a minimum. This is an excellent opportunity for energetic, efficient men to join a new and progressive department. Contributory pension scheme, etc. Applications giving age, experience, qualifications and salary to the Director of Production, The Tilley Lamp Company, Brent Works, Colindale, N.W.9.

Draughtsman: Senior Jig and Tool Draughtsman required by West Riding light engineers. Applicants must have sound knowledge of multi-stage precision press tooling. Good opening for man with initiative and experience and possessing at least O.N.C. Pension scheme. Apply stating age, experience and present salary to: Box No. 1347, I.Prod.E., 10 Chesterfield Street, London, W.1.

Planning Engineers, Senior Planning Engineer, Plant Draughtsman. Planning Engineers (Two) aged 25 or over. Preferably experienced in process layout work for medium sized machining operations in large quantities. O.N.C. preferable, but not essential. Senior Planning Engineer aged 28 years or over with at least 5 years experience in process planning for mass production on modern machine tools, preferably with the automobile industry. Applicants should have O.N.C. as a minimum qualification. Must be capable of working entirely without supervision and able to prepare detailed estimates. Plant Draughtsman (1) aged 24 or over. Preferably O.N.C. Experienced in detail design involving some structural steel work and sheet metal work. Applicants should have had some experience in maintenance of plant and buildings. House available to successful applicants. Write giving age and full details of experience to Labour Manager, Alford and Alder (Engineers) Ltd., Maylands Avenue, Hemel Hempstead, Herts.

Designer/Development Engineer wanted by light engineering organisation of repute to design and develop automatic equipment to be applied to production processes. Design experience of industrial instrumentation essential with good general knowledge of engineering process layouts. Successful applicant will be stationed at Cardiff but must be fairly mobile to investigate problems anywhere in the U.K. and consult with Head Office in London. Four figure commencing salary according to experience. Apply: Box No. 1348, I.Prod.E., 10 Chesterfield Street, London, W.1.

Planning Engineer required for Production Department of precision engineers situated in West London. Age 25-30. O.N.C. or equivalent and good experience on small batch and quantity production in modern plant essential. Pensionable and permanent. Apply, giving fullest details of training, experience and qualifications to: Box No. 1349, I.Prod.E., 10 Chesterfield Street, London, W.1.

Production Control Assistants and Production Control Clerks are required by a Company of precision engineers situated in West London. Applicants aged 25-30, should have O.N.C. or equivalent and experienced in light engineering and electronics. Pensionable and permanent. Apply, giving fullest details of training, experience and qualifications to: Box No. 1350, I.Prod.E., 10 Chesterfield Street, London, W.1.

Staff Tutor (Technical Education Officer). Birfield Limited, Management Training Centre, Stratford-on-Avon. New post of considerable interest and scope at residential centre: responsible to Chief Education Officer for planning and conducting short courses in management, production engineering and factory organisation subjects for management of Birfield Group of Companies. Applications invited from professional engineers, sound knowledge of Industrial administration, flair for teaching. Salary according to experience, not less than £1,100. Opportuni-

ties for promotion to managerial posts. Assistance with accommodation possible. Full details: Chief Education Officer, Birfield Limited, Goldcote House, Stratford-on-Avon.

Engineers. Light engineering company in S.E. London engaged on precision machining, assembly and sheet metal work requires: Senior Estimator, Senior Tool Designer, Senior Methods Engineer, Design Draughtsmen, for Sheet Metal Fabrication Work, Assistant Machines Shop Foreman, Toolmakers. Write in first instance giving full details of age, qualifications, experience, and present salary to: Works Manager, Box No. 1351, I.Prod.E., 10 Chesterfield Street, London, W.1.

Time Study Engineers required by the Skefko Ball Bearing Company Limited for their factories in Luton. Applications are invited from men with practical experience in Time Study Work on light engineering. Salary according to qualifications. Pension scheme. Write stating age and full details in confidence to: The Staff Officer, Leagrave Road, Luton.

Production Manager aged 30-40 required for rapidly expanding electronics firm in North Midlands, with fifty employees and own machine and sheet metal shops. Some interest in electronics helpful but not essential and qualifications and experience sought are in the mechanical engineering field. Experience in batch production of small machined parts essential together with some knowledge of jig design. Write sending full particulars of experience to: Box No. 1352, I.Prod.E., 10 Chesterfield Street, London, W.1.

Technical Representative required by world-renowned British firm, manufacturing precision articles. Age 23 upwards, must have served a general engineering apprenticeship; and possess at least Ordinary National Certificate. To work in Midland area based on Birmingham office, initially as a Junior Technical representative, but with excellent prospects for suitable candidate. Superannuation scheme, good salary, etc. Apply in writing, giving full particulars. Box No. 1353, I.Prod.E., 10 Chesterfield Street, London, W.1.

Manufacturing Methods and Layout Engineers. The English Electric Co. Ltd., Stafford. Vacancies exist in our expanding development department which will appeal to either production or mechanical engineers. The department applies up-to-date manufacturing techniques and design feature to new and established products including the largest sizes of rotating machines, transformers and switchgear built in Europe. It is a fact that outstanding opportunities for mechanical engineers are available in the electrical engineering industry, and those with a sound experience of workshop and design techniques can enter this field with advantage. Recognised technical qualifications desirable, although the most important feature will be the candidate's personal qualities and experience of the introduction and employment of new manufacturing techniques. Specialised knowledge of one or more of the following is necessary, machining, welding techniques and fabrication, foundry work, presswork, fitting and assembly, materials handling and production control. Experience with work study also an asset. The positions are permanent, progressive and covered by the Company's pension scheme. Help will be given with housing. Applications giving full particulars of age, education and experience should be addressed to: Dept. C.P.S., 336/7, Strand, W.C.2, and quote Ref. 1224F.

Production Engineer required for medium size light engineering Company in the West of England engaged on the design, development and manufacture of specialised precision engineering products for the aircraft and automotive industries to a high standard of inspection and performance. This appointment is

to set up a manufacturing unit for a new product, and the successful applicant will be directly responsible to the Managing Director for the organisation, layout, tooling and staffing of a new factory, and ensuring full co-operation between technical and production activities. First class engineering qualifications are essential with previous experience in overall management covering both technical and executive responsibilities with ability to select, develop and lead personnel in new duties. This vacancy offers an exceptional opportunity for an experienced and enthusiastic engineer to join a progressive and expanding organisation with considerable prospects. Salary in accordance with qualifications and experience plus pension rights. Send personal history (typewritten)—age, education, experience with nature of responsibilities to: Box No. 1354, I.Prod.E., 10 Chesterfield Street, London, W.1.

Senior Jig and Tool Designer required as section leader in modern factory, engaged on experimental, prototype and production manufacture of turbo-jet engine components, minimum qualifications H.N.C., extensive design experience of jigs, tools and fixtures, and sound practical experience in the engineering industry. Housing accommodation provided, assistance with removal expenses, pension scheme and substantial salary commensurate with this responsible position. Applications for Director interview should be addressed to The Personnel Manager, Engineering Productions (Clevedon) Limited, Clevedon, Somerset.

Production Engineer. Applications are invited for the appointment of a Production Engineer responsible to Works Manager. Products of the Company electro-mechanical instruments and general light engineering. Applicants must be fully conversant with all aspects of production engineering for bulk manufacture and essentially possessing workshop experience. S.W. London district. State age, experience and salary to: Box No. 1355, I.Prod.E., 10 Chesterfield Street, London, W.1.

EDUCATIONAL APPOINTMENTS

Poole College for Further Education, Market Street, Poole.

Grade B Assistant in Motor Engineering ; Grade B Assistant capable of teaching to S.3 and A.1 levels in Production Mechanical or Electrical Engineering. Applications are invited for the following posts in the Engineering department: Grade B Assistant in Motor Engineering. Grade B Assistant capable of teaching to S.3 and A.1 levels in Production, Mechanical or Electrical Engineering. These are new posts which will be filled in September, 1956. The Engineering Department of the College is being housed in new premises and there is ample scope for expansion. Applicants should have a degree or professional qualifications in engineering or a City and Guilds full Technological Certificate and should have had teaching and industrial experience. Further details and forms of application can be obtained from the Principal, Poole College for Further Education, Market Street, Poole, and should be returned to him within 14 days of the appearance of this advertisement.

Wolverhampton and Staffordshire Technical College.

Department of Production Engineering and Management. Applications invited for Lecturer to teach Mathematics and Mechanics in National Certificate courses. Ability to teach other H.N.C. Production subjects a recommendation. Candidates should have appropriate professional qualifications and industrial experience. Salary in accordance with Burnham Technical Report £965-£1,065. Further particulars and forms of application (stamped addressed envelope) from G. W. R. Lines, Clerk to the Joint Education Committee, Education Offices, North Street, Wolverhampton.



